

App. Ser. No.: 10/696,310

Atty. Doc. No.: D03049

CLAIMS

Please amend the claims as follows:

1. (Presently amended) A method for operating a telephony device comprising:
detecting a hook status of the telephony device coupled to an out-of-service Internet Protocol telephone line by:
applying a loop current to the out-of-service telephone line for a first predetermined period sufficient to detect a hook status; and
removing the loop current from the out-of-service telephone line after the first predetermined period for a second predetermined period,
which is significantly longer than the first predetermined period; and
sending a message to the telephony device indicating that the Internet Protocol telephone line is out-of-service.
2. (Original) The method according to claim 1, wherein the message includes a voice message.
3. (Original) The method according to claim 1, wherein the message includes a text message.
4. (Original) The method according to claim 1, further comprising:
sending a message indicating a telephone number to call to obtain service for the out-of-service Internet Protocol telephone line.

App. Ser. No.: 10/696,310

Atty. Doc. No.: D03049

5. (Original) The method according to claim 4, further comprising:
detecting one or more Dual Tone Multiple Frequency tones on the out-of-service Internet Protocol telephone line.
6. (Original) The method according to claim 5, further comprising:
signaling a call agent to establish a connection between the out-of-service Internet Protocol telephone line and a predetermined service provider.
7. (Original) The method according to claim 6, further comprising:
establishing a connection between the out-of-service Internet Protocol telephone line and the predetermined service provider.
8. (Original) The method according to claim 7, further comprising:
removing the connection between the out-of-service Internet Protocol telephone line and the predetermined service provider after completion of a call between the user and the predetermined service provider.
- 9-10. (Cancelled)
11. (Presently amended) The method according to claim ~~10~~ 1 , wherein the predetermined interval comprises about 50 milliseconds every one-second interval.

App. Ser. No.: 10/696,310

Atty. Doc. No.: D03049

12-13. (Cancelled)

14. (Presently amended) The method according to claim ~~13~~ 1, further comprising:
continuously repeating the applying and removing.

15. (Original) The method according to claim 1, further comprising sending a
message indicating a status of one or more telephone lines.

16. (Presently Amended) An apparatus comprising:
an Internet Protocol interface coupled to an Internet Protocol telephone line,
which is provisioned as out-of-service;
a telephone port to couple to a telephony device; and
a processor detecting a hook status of the telephony device coupled to the
telephone port by applying a loop current to the out-of-service telephone line for a first
predetermined period sufficient to detect a hook status and removing the loop current
from the out-of-service telephone line after the first predetermined period for a second
predetermined period, which is significantly longer than the first predetermined period
and generating a message to be output to the telephony device indicating that the Internet
Protocol telephone line is out-of-service.

17. (Original) The apparatus according to claim 16, wherein the processor sends a
message indicating a telephone number to call to obtain service for the out-of-service
Internet Protocol telephone line.

App. Ser. No.: 10/696,310

Atty. Doc. No.: D03049

18. (Original) The apparatus according to claim 17, wherein the processor detects one or more Dual Tone Multiple Frequency tones to be output over the out-of-service Internet Protocol telephone line.

19. (Original) The apparatus according to claim 18, wherein the processor signals a call agent to establish a connection between the out-of-service Internet Protocol telephone line and a predetermined service provider.

20. (Cancelled)

21. (Original) A communications apparatus comprising:

a loop current controller controlling a loop current on a telecommunications line;

a hook status detector detecting a hook status of a telephone device coupled to the telecommunications line;

a loop current settling timer initiated upon application of loop current by the loop current controller to the telecommunications line, and upon expiration of the loop current settling timer said hook status detector initiating a hook status test;

a hook status test timer initiated upon initiation of a hook status test by the hook status detector, and upon expiration of the hook status test timer said loop current controller removing the loop current from the telecommunications line;

an off-hook polling timer initiated upon removal of the loop current from the telecommunications line by the loop current controller, and upon expiration of the off-

App. Ser. No.: 10/696,310

Atty. Doc. No.: D03049;

hook polling timer said loop current controller applying the loop current to the telecommunications line; and

a debounce timer initiated upon detection of an off-hook status by the hook status detector, upon expiration initiating an out-of-service instruction to be played to the telephone device over the telecommunications line after which the loop current controller removing loop current from the telecommunications line and initiating the off-hook polling timer, and said debounce timer being stopped upon detection of an on-hook status by the hook status detector.